



Associate of Science in Physical Sciences at Tulsa Community College to Bachelor of Science in Chemistry at the University of Tulsa

61 Credit Hours at TCC + 65 Credit Hours at TU = 126 Total Credit Hours

Transfer Map Catalog Year: 2025-2026 (Year 1 of 3)

Note to Students: *UTulsa equivalencies used within this articulation agreement are only applicable with a completed Associate of Science or Associate of Arts to fulfill the University of Tulsa Core Curriculum and do not reflect current one-to-one equivalencies for single courses transferred from TCC to UTulsa.

This Articulation Agreement provides a semester-by-semester guide showing how TCC courses transfer to a specific bachelor's degree program. This transfer map is based on a full-time schedule and is just one example of how a student may successfully complete degree requirements for both programs. Students should work with a TCC advisor and the university to ensure they are on-track for transfer. Students are responsible for understanding the program/admission/transfer requirements for the university and for completing requirements in the official degree sheet for each major.

TULSA COMMUNITY COLLEGE – SEMESTER ONE			
TCC Course	UTulsa Course	UTulsa Requirement	Credit Hours
POLS 1113 American Federal Government	POL 2363	Tulsa Core: Quad III - Social Sciences	3
CHEM 1315 General Chemistry I	CHEM 1013/1011 + FREL 1TR1	Tulsa Core: Quad IV - Natural & Applied Sciences + Chemistry Major Requirements	5
ENGL 1113 Composition I	ENGL 1033*	Tulsa Core: Writing Requirement	3
^MATH 2114 Analytic Geometry & Calculus I	MATH 2014	Tulsa Core: Quad III - Social Sciences + Physics & Mathematics Chemistry Major Requirements	4
Semester Credit Hours at TCC:			15

^MATH PLACEMENT NOTE: If a student places into MATH 2114 it is recommended to begin the math sequence with that course as their general education math at TCC. Depending on pre-requisite math courses needed, the overall hours in this plan could vary. Consult with your TCC advisor about math placement options.

TULSA COMMUNITY COLLEGE – SEMESTER TWO			
TCC Course	UTulsa Course	UTulsa Requirement	Credit Hours
CHEM 1415 General Chemistry II	CHEM 1023/1021 + FREL 1TR1	Chemistry Major Requirements	5
MATH 2124 Analytic Geometry & Calculus II	MATH 2024	Physics & Mathematics Chemistry Major Requirements	4
HIST 1483 <i>or</i> HIST 1493 U.S. History	HIST 2503*	Tulsa Core: Quad II - Humanities	3
ENGL 1213 Composition II	ENGL 2093*	Tulsa Core: Writing Requirement	3
Semester Credit Hours at TCC:			15

TULSA COMMUNITY COLLEGE – SEMESTER THREE			
TCC Course	UTulsa Course	UTulsa Requirement	Credit Hours
CHEM 2145 Organic Chemistry I (Recommended Electives)	CHEM 3013/3011 + FREL 3TR1	Chemistry Major Requirements	5
PHYS 2034 Physics I w/ Calculus	PHYS 2053/2051	Tulsa Core: Quad IV - Natural & Applied Sciences + Physics & Mathematics Chemistry Major Requirements	4
Gen. Education Required Electives	Quad II*	Tulsa Core: Quad II - Humanities	3
General Education Humanities UTulsa recommended courses: ASLE 1413, ENGL 2883, ENGL 2893, HIST 1053, HIST 2333, HUMN 2333, MUSC 1153, NAMS 2313, NAMS/HIST 2343, RELG/PHIL 1223, or SOCI 2123	Quad I*	Tulsa Core: Quad I - Creative Arts + HCGD	3
Semester Credit Hours at TCC:			15

TULSA COMMUNITY COLLEGE – SEMESTER FOUR			
TCC Course	UTulsa Course	UTulsa Requirement	Credit Hours
CHEM 2245 Organic Chemistry II (Recommended Electives)	CHEM 3023/3021 + FREL 3TR1	Chemistry Major Requirements	5
PHYS 2124 Physics II w/ Calculus	PHYS 2063/2061	Physics & Mathematics Chemistry Major Requirements	4
MATH 2134 Analytic Geometry & Calculus III (Gen. Ed. Recommended Electives) UTulsa recommended course	MATH 2073 + FREL 2TR1	Physics & Mathematics Chemistry Major Requirements	4
General Education Humanities	Quad I*	Tulsa Core: Quad I - Creative Arts	3
Semester Credit Hours at TCC:			16

Congratulations, you have earned your Associate's Degree from TCC! Time to celebrate!

UNIVERSITY OF TULSA – SEMESTER FIVE		
UTulsa Course	UTulsa Requirement	Credit Hours
FYE 3001 Transfer Experience	Tulsa Core: FYE (<i>satisfied w/ completed AS/AA</i>)	0-1
CHEM 1101 Freshman Seminar	Chemistry Major Requirements	1
CHEM 3032 Molecular Modeling	Chemistry Major Requirements	2
CHEM 3033 Physical Chemistry I	Chemistry Major Requirements	3
CHEM 3031 Physical Chemistry I Lab	Chemistry Major Requirements	1
CHEM 4133 Biochemistry I	Chemistry Major Requirements	3
CHEM 4131 Biochemistry I Lab	Chemistry Major Requirements	1
Advanced Elective	Advanced Electives (15 hrs) (Science, Mathematics, Computer Science, or Engineering @ the 2000-level or higher)	3
Semester Credit Hours at UTulsa:		14-15

UNIVERSITY OF TULSA – SEMESTER SIX		
UTulsa Course		Credit Hours
CHEM 2101 Sophomore Seminar	Chemistry Major Requirements	1
CHEM 4023 Physical Chemistry II	Chemistry Major Requirements	3
CHEM 4021 Physical Chemistry II Lab	Chemistry Major Requirements	1
CHEM 4083 Analytical Chemistry I	Chemistry Major Requirements	3
CHEM 4081 Analytical Chemistry I Lab	Chemistry Major Requirements	1
Advanced Elective	Advanced Electives (15 hrs) (Science, Mathematics, Computer Science, or Engineering @ the 2000-level or higher)	3
Advanced Elective	Advanced Electives (15 hrs) (Science, Mathematics, Computer Science, or Engineering @ the 2000-level or higher)	3
General Elective	General Electives (18 hrs)	3
Semester Credit Hours at UTulsa:		18

UNIVERSITY OF TULSA – SEMESTER SEVEN		
UTulsa Course		Credit Hours
CHEM 3101 Junior Seminar	Chemistry Major Requirements	1
CHEM 4043 Inorganic Chemistry	Chemistry Major Requirements	3
CHEM 4183 Analytical Chemistry II	Chemistry Major Requirements	3
CHEM 4181 Analytical Chemistry II Lab	Chemistry Major Requirements	1
Advanced Elective	Advanced Electives (15 hrs) (Science, Mathematics, Computer Science, or Engineering @ the 2000-level or higher)	3
General Elective	General Electives (18 hrs)	3
General Elective	General Electives (18 hrs)	3
Semester Credit Hours at UTulsa:		17

UNIVERSITY OF TULSA – SEMESTER EIGHT		
UTulsa Course		Credit Hours
CHEM 4872 Introduction to Research	Chemistry Major Requirements	2
CHEM 4962 Senior Project	Chemistry Major Requirements	2
Advanced Elective	Advanced Electives (15 hrs) (Science, Mathematics, Computer Science, or Engineering @ the 2000-level or higher)	3
General Elective	General Electives (18 hrs)	3
General Elective	General Electives (18 hrs)	3
General Elective	General Electives (18 hrs)	3
Semester Credit Hours at UTulsa:		16

Congratulations, you have earned your Bachelor's Degree from UTulsa! Time to celebrate!

TCC Milestones and Recommended Actions:

- **Consider Summer Courses:** Summer courses at TCC can help accelerate your time to transfer, and help you stay on track. Talk to your advisor about planning summer courses.
- **During or After Year One at TCC:** Consider a campus tour of University of Tulsa and connect with a UTulsa academic advisor, to ensure you are on track to transfer. Your TCC academic advisor can assist in planning these actions.
- **During Year Two at TCC:** During semester three coursework (or two semesters before you plan to transfer if attending part-time), apply for admission at University of Tulsa as a transfer student (<https://admission.utulsa.edu/apply/transfer-applicants/>).
- **Final Semester at TCC:** Congratulations, you are about to earn your Associate Degree! Be sure to apply for graduation @ <https://www.tulsacc.edu/student-resources/graduation>.
- **Transcripts:** After your final semester, submit an official TCC transcript to UTulsa (www.tulsacc.edu/student-resources/student-records/requesting-and-submitting-transcripts).
- **Reverse Transfer:** Students who transfer to a university before completing an associate degree and who have earned at least 15 credit hours from TCC may be eligible to complete their TCC degree through Reverse Transfer. Email reversetransfer@tulsacc.edu to see if you qualify for a degree through the Reverse Transfer program (<https://www.tulsacc.edu/student-resources/graduation/reverse-transfer>).

Additional Program Information:

- After matriculating into TU, a student must complete the mechanical engineering major with a grade point average of 2.0 or higher as well as an overall grade point average of 2.0 or higher in order to graduate.

UTulsa Tuition Costs:

- Full-time students pay a flat tuition rate each semester they are enrolled in 12 – 18 hours. Any semester where a student is enrolled in 11 hours or less are billed per semester hour. Any semester with an approved overload above 18 hours has additional tuition costs on top of the flat tuition rate to cover the additional hours. Tuition costs and associated student fees are posted at Tuition & Costs - The University of Tulsa (utulsa.edu). The degree map above has been divided to maximize enrollment versus tuition cost each semester. A student that chooses to enroll in fewer than 12 hours or more than 18 in any particular semester should be prepared for different tuition costs.

Learn More About Programs in this Pathway:

- TCC A.S. Physical Sciences - <https://www.tulsacc.edu/academics/programs-courses/physical-sciences>
- UTulsa B.S.C. Chemistry - <https://utulsa.edu/programs/chemistry/>

University Transfer Contact Information

Office of University Transfer &
Academic Partnerships
Tulsa Community College
www.tulsacc.edu/transfer
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